Golam Mostaeen

**Statement of Purpose**

When I was a kid, at times my father used to take me to the city from our village and I hardly missed the chance of paying a visit to the coin operated video games shops. I remember how much I hated and was scared of getting devoured by the evil ghost, while I used to play the role of a very hungry yellow blob, the Pac Man. Every time I lost the battle and had to return home in a gloomy face the hatred even doubled and for the next the few days out of my frustration I used to plan and made up my mind to grab all the energizers at the corners of the mazes and turning all those rude ghosts as subsequent fodder for my Pac Man’s snapping jaws. The little mind of mine never thought that in some day I will be a Computer Engineer and development, maintenance or testing of such different software will be my main focus of study and research.

All my aspirations for the different computer science technologies for the most of my early life got a destination in my four years of undergraduate study. My enthusiasm for learning several computer science subjects like Software Engineering, Artificial Intelligence, Image Processing, Computer Vision, Computer Graphics etc. earned me the highest grades and appreciation from my teachers. Apart from my course works I always tried to study and learn new ideas and technologies whenever there were time and opportunities from my teachers and internet for enriching my knowledge in various sectors of computer science like several game engines, web technologies, Android programming etc.

For my research interest in Software Engineering and Maintenance I have worked on several research and projects. How a bigger real life software is made, how it is maintained or how it come into use for general people were always my point of interest. So alongside my academic projects I have worked on development of several software being a part of different teams, we have talked to users of different level and gathered real life scenarios and knowledge. “BCS Flashlight” is a software I developed in co-operation with one of my teacher and two other members for the Bangladesh Civil Service (BCS) examinees. We used Artificial Intelligence and Machine Learning techniques to suggest the best multiple choice question to the user based on their performance of previous exam given on this software. The software analyzes and learns from past user behaviors and suggests decision summary on various aspects like on what topics they should give emphasis for the better preparation, what should be their optimum study plan etc. The software received huge user response and positive feedback throughout my country. Besides I had always fascination for mobile application development because of their portability and easy access to the general people. I developed several mobile applications and uploaded in Google Play to learn from the feedback of users throughout the world.

In addition to my research interest in Software Engineering; Image Processing and Computer Vision has always been my favorite areas of research too. I did undergraduate research on Image Processing and my thesis was entitled as - “*A Statistical Approach for Offline Handwritten Signature Verification Using SIFT Features*”. I continued my research works on Computer Vision and Image Processing even after completion of my undergraduate study and joining as Lecturer in Islamic University of Technology (IUT).

After completion of my undergraduate study I now want to move deep into my areas of research interests. But a third world country like Bangladesh lacks in giving enough technical support for carrying out my extensive research work. For me Canada was always in top priority for its renowned advancement in technologies and for its friendly and welcoming environment. So I was searching for different top ranked universities in Canada that best matches my research interest. Not to my surprise it did not take long enough ending up with University of Saskatchewan for its recent challenging, interesting and effective works in Software Engineering. Especially I was really intrigued particularly by publication and research works of Dr. Chanchal Roy that matches exactly with my research interest and highly motivated me to consider this highly esteemed university for my graduate studies.

I belief that a Master’s degree in Computer Science at University of Saskatchewan will be an essential stone in my future research and career. I know the journey will be intensely competitive and challenging. Yet I belief if chance given I can prove myself because of my enthusiasm and zeal for carrying out my research, durability and persistence to fulfill my goals and eagerness to work hard.